Research Paper

Growth of Population and Projection in Hingoli District (2071)

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Introduction :

Today, lot of problems have been created at the Global level. In many countries, we find terrorism, epidemics, draught, war, natural calamities and growth of population have creates great problems. In India, census is being done every 10 years and seen that the population is contentiously increasing. But the territorial area being limited, the ratio of human land is being reduced. Considering this view point, it is the necessity of the era to control the population.

In demography, study of population is done. Similarly the projection of populations is also shown. According to Kifix (1971) the of population gives us inspiration to do various experiments, and due to statistical results the formal and political points can be recognized, with the help of projection location, period comparative study can be done. Projection of population can be guidelines for future situation of population which can be useful development plans. While preparing plans, the factors that how to control growth rate of population or to take proper decision to decide policy and to draw working pattern, education, health, labour, family planning, law regarding age of marriage, etc, are considered while making decision. In India, the growth of population, is very rapidly increasing, due to which the situation of population has become waste one. In order to reduce the dangerous growth rate, projection is useful.

1.2 Study field :

Hingoli district has been selected for this study, which is extended from the latitude 190 13" to 190 72" and from longitude 760 50" to 790 9" East. The area of Hingoli district is 4659 square kms. In which Hingoli, Sengaon, Kalamnuri, Aundha Nagnath and Basmath talukas are included. According to census of 2001 the population of the district was 9.9 lakhs.

1.3 Objects :

1)2001 - 2011 How many growth of population during this decade.

2)2051-2071 What would be the projection talukawise population.

1.4 Information, Sources and Method :-

The secondary type of information for this study has been taken from economic, social analytical study, district census hand book, from Tahasil office.

So also analysed with the help of charts and graphs. The following formula has been used to calculate the growth rate of population.

The following formula has been used to draw projection population.

$$PN = PO + \frac{N(PO - PM)}{m}$$

PN = Projection population
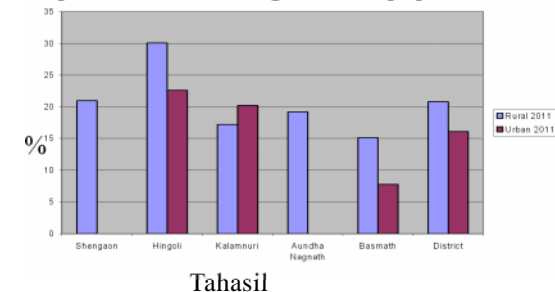PO = Present Population
PM = Past Population
N = Period of Projection population
M = Considered past period

1.5 Rate of growth of population in Hingoli Dist.

Chart 1.1

Sr.No.	Tahasil	Rural 2011	Urban 2011
1	Shengaon	20.97	-
2	Hingoli	30.05	22.61
3	Kalamnuri	17.18	20.19
4	Aundha Nagnath	19.19	-
5	Basmath	15.14	7.77
6	District	20.79	16.12

Source :- The Writer has himself has collected

Graph No. 1.1 Rate of growth of population

Tahasil

Source : The write has himself

It would be seen from the chart 1.1 and graph 1.1 that the growth rate of population of Rural in Hingoli district was 20.39 most of the growth rate of HIngoli Taluka is 30.05 and the growth rate of sengaon taluka is 20.97, Aundha Nagnath is (19.19) and the growth rate of Basamath was 15.14 so also the growth rate of total Urban in district is 16.12. Hingoli city is having highest rate i.e. 22.61 because this being district head greater the effect of education, more or less industri-

alization, health, market yard are responsible. Next are is Kalamnuri of which growth rate is 20.19. The lowest of all growth rate is of Basamath city i.e. 7.77

1.6 Projection of population in Hingoli Dist :

What would be the population in Hingoli district in the year 2001 is given with the help of population projection from which we can contemplate. The old age Ashrama, No.of Schools Hospitals, Transportation, food grains and other necessities.
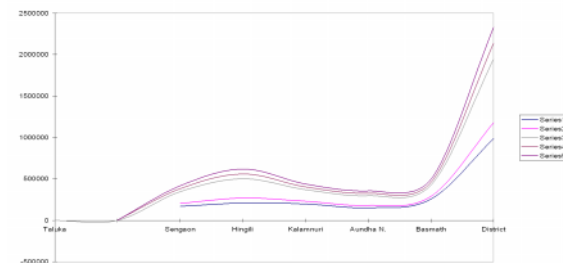
The talukawise projection population is Hingoli district is given in the following chart.

one decade, the population has been increased by 191813. Accordingly the projection population for the year 2051 has been calculated. According to 2001 census the population of Sengaon was (169247) whereas the highest population of Basmath city was (257089) and the lowest population of Aundha Nagnath was (152178) whereas during the census of 2011 the highest population was recorded of Basmath Taluka i.e. (257089) and lowest population was (191385) of Aundha Nagnath the total population of the district was seen to the increased up to 1178973. Taking into

Chart No.1.2 Projection of Population in Hingoli district

S.N.	Taluka	2001	2011	Population		
				2051	2061	2071
1	Sengaon	169247	204768	346852	382373	417894
2	Hingili	211254	269581	502889	561216	619543
3	Kalamnuri	197392	231927	370067	404602	439137
4	Aundha N.	152178	181385	298213	327420	356627
5	Basmath	257089	291312	428204	462427	496650
6	District	987160	1178973	1946225	2138038	2329851

Source : Economic, Social analysis of district Hingoli 2001-02, 2003-2010

Graph No.1.2 Projection of Population

Source : Prepared by write himself.

In table No. 1.2 and graph No.1.2 talukawise Prjection of population in Hingoli district, for the years 2001 and 2011 2051-2061 and 2071 have been calculated and shown with the help of mathematical procedure.

According to census of 2001 the population of Hingoli district was 987160 and in the year of 2011 the study of population shown that there is increase in population. In the study period it is seen that during

consideration the census of 2001 and 2011 projection population during the year 2051 will be (1946225) and the highest population of Hingoli city alone, will be (502829) because, Hingoli being district. Head quarters, there is migration of population are a large deals. The lowest population will be of Aundha Nagnath. i.e. (298213) During the year 2061, the total population of the district, will be (2138038). It means within one decade, it will increase by (191813) and the population of Hingoli taluka, will be (561216), Basmath (462427) and Aundha Nagnath will be (327420). In the year of 2071 the population of the district will be (2329851) During the year 2061 to 2071 one decade population will be increased by (191813). The highest population of Hingoli Taluka will be (619543) Sengaon (417894), Kalamnuri (439137) and Aundha Nagnath will be (356627). From this point of view we will have to contemplate before, planning of food grains, hospitals, treade, transport, education, labour, age strategy etc.

R E F E R E N C E

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